Appl. No.: 10/539,790

AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES MADE, AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS

1-3. (Canceled)

- (Previously presented) The carboxamide-substituted dye as claimed in claim 34, in which Cyc1 is substituted or unsubstituted phenyl, naphthyl, pyridyl or cyclohexyl.
- 5. (Cancelled)
- 6. (Currently amended) The carboxamide-substituted dye as claimed in claim 34 in which R₁ is bridged with R₈ or R₃ is bridged with R₇ or R₁ is bridged with R₈ and R₃ is bridged with R₇ forming a ring system.
- 7. (Previously presented) The carboxamide-substituted dye as claimed in claim 6, in which the ring system comprises 5- or 6-membered rings.
- 8. (Previously presented) The carboxamide-substituted dye as claimed in claim 7, in which a ring system of the structure (K), (L), (M), (N) or (O) is formed:

Appl. No.: 10/539,790

(O)

in which R in each case independently is defined as R_1 , R_3 , R_4 and the dashed lines are optionally double bonds in the presence of which the moieties bound via a dashed line are absent.

9-14. (Cancelled)

15. (Previously presented) The carboxamide-substituted dye as claimed in claim 8, in which Cyc1 is optionally substituted phenyl, Cyc2 has the structure (E) and Y = oxygen and R₇ and R₃ form a ring system (K).

16-20. (Cancelled)

Appl. No.: 10/539,790

21. (Previously presented) A process for preparing carboxamide-substituted dyes of the formula (I) as claimed in claim 34, comprising the following steps:

(a) converting the carboxyl group of a dye of the formula (II)

Cyc2
$$R_4$$
 R_3 X

in which the moieties are defined as indicated in claim 34, into an activated form;

- (b) reacting the activated dye obtained in step (a) with a secondary amine HNR₅R₆; and
- (c) optionally isolating the carboxamide-substituted dye of the formula (I) obtained in step (b).
- 22. (Original) The process as claimed in claim 21, in which step (a) is carried out at temperatures of from room temperature to 60°C.
- 23. (Previously presented) The process as claimed in claim 21, in which an aprotic solvent is used in step (b).
- 24. (Currently amended) The process as claimed in claim 21 in which N-hydroxysuccinimide, N-hydroxyphthalimide, N-hydroxynaphthalimide, or O-(N-succinimidyl)-N,N,N',N'-tetramethyluronium tetrafluoroborate (TSTU) are used for activation.

25-33 (Cancelled);

Appl. No.: 10/539,790

34. (Currently amended) A carboxamide-substituted dye of the formula (I)

Cyc2
$$R_4$$
 R_3 R_2 R_1 R_2 R_3

in which

Y= oxygen, R₁, R₃, R₄ are independently hydrogen, halogen, -O^o, a hydroxyl group, thiol group, amino group, ammonium group, sulfo group, phospho group, nitro group, carbonyl group, carboxyl group, a carboxylic acid derivative, a nitrile group, isonitrile group, cyanate group, isocyanate group, thiocyanate group, isothiocyanate group or a straight-chain, branched or cyclic saturated or unsaturated hydrocarbon group having up to 40 carbon atoms;

$$R_2 = N < R_7 R_8$$

in which

 R_7 , R_8 , independently are hydrogen or a straight-chain, branched or cyclic saturated or unsaturated hydrocarbon group having up to 40 carbon atoms; or R_1 together with R_2 is

Appl. No.: 10/539,790

in which

 R_{10} , R_{11} and R_{13} are as defined for R_1 , R_3 and R_4 ;

in which

 R_{16} and R_{17} are as defined for R_7 and R_8 ,

 R_5 and $R_6[[,]]$ independently are a straight-chain, branched or cyclic saturated or unsaturated hydrocarbon group having up to 40 carbon atoms, wherein at least one of R_5 and R_6 comprises a carboxy group;

Cyc1 is an organic moiety which comprises a ring system selected from aromatic, heteroaromatic, quinoidal and cycloaliphatic rings; wherein Cyc1 is substituted with $-CONR_5R_6$ at the ortho-position of the ring attached to a backbone of formula (I);

Cyc2 is an organic moiety which comprises a ring system selected from aromatic, heteroaromatic, quinoidal and cycloaliphatic rings; wherein Cyc2 has a structure selected from (A), (D), (E), (F), (G), (H) or (J),

Appl. No.: 10/539,790

$$R_{19} \longrightarrow R_{20} \qquad (A)$$

$$R_{21} \longrightarrow R_{20} \qquad (A)$$

$$R_{22} \longrightarrow R_{23} \qquad (B)$$

$$R_{22} \longrightarrow R_{23} \qquad (B)$$

$$R_{23} \longrightarrow R_{24} \qquad (B)$$

$$R_{24} \longrightarrow R_{25} \qquad (C)$$

$$R_{25} \longrightarrow R_{25} \qquad (C)$$

$$R_{2$$

in which R in each case independently is defined as R_1 , R_3 , R_4 ; R_{19} , R_{201} and R_{22} and R_{23} are independently defined as R_7 , R_8 ; and R_{21} is defined as R_7 , and the dashed lines are optionally double bonds in the presence of which the moieties bound via a dashed line are absent,

each of said moieties in the dye of the formula (I) being able to form a ring

Appl. No.: 10/539,790

system with one or more neighboring moieties;

and X being one or more mono- or multivalent anions, when required for balancing the charge; and wherein at least one of R_1 , R_3 , R_4 , R_{10} , R_{11} , R_{13} and R is a sulfo group.

35. (Currently amended) A carboxamide-substituted dye of the formula (Ia)

in which

Y = oxygen; R₁, R₁', R₃, R₃', R₄ and R₄' are independently hydrogen, halogen, -O⊕, a hydroxyl group, thiol group, amino group, ammonium group, sulfo group, phospho group, nitro group, carbonyl group, carboxyl group, a carboxylic acid ester, carboxylic acid halide, carboxylic acid amide, carboxylic acid anhydride, a nitrile group, isonitrile group, cyanate group, isocyanate group, thiocyanate group, isothiocyanate group or a straight-chain, branched or cyclic saturated or unsaturated hydrocarbon group having up to 40 carbon atoms; wherein at least one of R₁, R₁', R₃, R₃', R₄ and R₄' is a sulfo group

Appl. No.: 10/539,790

$$R_2 = \bigvee_{\substack{\bullet \\ R_8}} R_7$$

 R_5 and $R_6[[,]]$ independently are a straight-chain, branched or cyclic saturated or unsaturated hydrocarbon group having up to 40 carbon atoms; wherein at least one of R_5 and R_6 comprises a carboxy group, R_7 , R_8 , R_{19} and R_{20} independently are hydrogen or a straight-chain, branched or cyclic saturated or unsaturated hydrocarbon group having up to 40 carbon atoms,

Cyc1 is an organic moiety which comprises a ring system selected from aromatic, heteroaromatic, quinoidal and cycloaliphatic rings; wherein Cyc1 is substituted with -CONR₅R₆ at the ortho-position of the ring attached to a backbone of formula (Ia).

- 36. (Previously presented) The carboxamide-substituted dye of the formula (I) of claim 34, wherein R₇ and R₈ independently are straight-chained saturated hydrocarbon groups.
- 37. (Previously presented) The carboxamide-substituted dye of the formula (Ia) of claim 35, wherein R₁, R₁' independently are sulfo groups.
- 38. (Canceled)